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Ohio Agricultural Experiment Station
DEPARTMENT OF FORESTRY
In Cooperation With
U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION

Technical Note 27

January 15, 1941

LOCAL VOLUME TABLE^{1/}

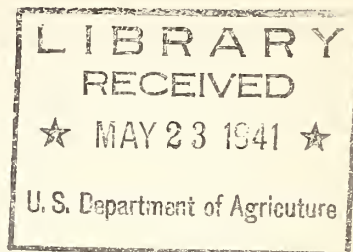
for

WHITE OAK

(Quercus alba)

in Franklin County, Ohio

INTERNATIONAL Rule ($\frac{1}{4}$ " kerf)



Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (Inches)	Volume per tree	Average merchant- able length	Basis in trees	Diameter breast high outside bark (Inches)	Volume per tree	Average merchant- able length	Basis in trees
Board feet	Feet	Number		Board feet	Feet	Number	
6	-	-	2	30	835	45	1
7	5	19	1	31	903	45.5	1
8	11	20.5	1.	32	974	46	2
9	20	22.5	1	33	1050	46.5	1
10	32	24	4	34	1125	47	1
11	44	25.5	3	35	1202	47.5	2
12	64	27	2	36	1286	47.5	2
13	88	28.5	4	37	1368	48	-
14	106	29.5	3	38	1458	48	2
15	135	31	4	39	1550	48.5	-
16	160	32.5	3	40	1640	48.5	-
17	193	33.5	6	41	1738	48.5	-
18	224	35	4	42	1834	48.5	1
19	261	36	6	43	1930	49	1
20	299	37	1	44	2038	49	-
21	340	38	3	45	2140	49	-
22	384	39	3	46	2253	49	-
23	435	40	2	47	2360	49	1
24	481	41	4	48	2479	49	-
25	535	41.5	1	49	2590	49	-
26	588	42.5	2	50	2716	49	-
27	645	43	3	51	2833	49	1
28	706	44	4	52	2963	49	-
29	770	44.5	2				

(1) Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "the Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height for trees up to 29.9 inches d.b.h., and above a 1.5-foot stump for trees 30.0 inches and over in d.b.h. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Basis, 85 trees.

Table prepared, in 1941, by curving volume of merchantable length over d.b.h.

Aggregate difference: table is 0.53% high. Average percentage deviation of basic data from table, 20.6%.

W. O. Schramm
L. F. Kellogg

